Foundations Of Computer Science 2nd Edition

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the book discusses the fundamentals of high performance computing the authors combine visualization comprehensibility and strictness in their material presentation and thus influence the reader towards practical application and learning how to solve real

computing problems they address both key approaches to programming modern computing systems multithreading based parallelizing in shared memory systems and applying message passing technologies in distributed systems the book is suitable for undergraduate and graduate students and for researchers and practitioners engaged with high performance computing systems each chapter begins with a theoretical part where the relevant terminology is introduced along with the basic theoretical results and methods of parallel programming and concludes with a list of test questions and problems of varying difficulty the authors include many solutions and hints and often sample code

rea s essentials provide quick and easy access to critical information in a variety of different fields ranging from the most basic to the most advanced these concise comprehensive study guides summarize the essentials of the field covered essentials are helpful when preparing for exams doing homework and will remain a lasting reference source for students teachers and professionals essentials of computer science ii includes organization of a computer memory and input output coding data structures and program development also included is an overview of the most commonly used computer languages

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computer has firmly carved its place in the human society computer makes our job easier and has reshaped our imagination the world of technology and computer systems is continuously evolving and has touched virtually each and every aspect of our lives the computer science success series is based on windows 10 and office 2016 this series is specially designed for providing a

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covers basic concepts of computer science and programming introduces algorithms data structures and problem solving techniques explores software development networking and cybersecurity provides real world applications and case studies suitable for beginners in computing

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